

STB-100US

Appln. No.: 09/998,762
Amendment Dated June 23, 2005
Reply to Office Action of February 23, 2005

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)

5. (Currently Amended): ~~The ultraviolet~~ sterilization apparatus ~~as claimed in of claim 11~~, wherein said housing ~~air opening~~ further ~~contains~~ comprises a coarse dust filter forming a wall of said housing, and ~~in that wherein~~ said means for generating an air flow air propulsion device further comprises at least one fan interposed between said coarse dust filter and said lamp cartridge package.

6. (Currently Amended): ~~The ultraviolet~~ sterilization apparatus ~~as claimed in of claim 11~~, wherein said housing ~~is a supporting frame incorporating means~~ further comprises a wall-mounting device for fixing said housing to a wall.

7. (Currently Amended): ~~The ultraviolet~~ sterilization apparatus ~~as claimed in of claim 11~~, wherein ~~said cartridge envelope~~ the jacket is of a material selected from the group consisting of plastic[[s]], cardboard, and wood, and wherein the reflective inner surface of which the jacket is covered or lined by comprises a reflecting film of aluminum.

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (New): An ultraviolet sterilization apparatus comprising:

a lamp cartridge package comprising at least one ultraviolet lamp and an envelope for housing the at least one ultraviolet lamp, the envelope comprising a jacket with a reflective inner surface, an envelop air inlet opening and an envelop air outlet opening, and at least one air-transmitting, ultraviolet-stopping device adjacent at least one of the two envelop openings

a housing including an aperture for removably receiving said lamp cartridge package and at least one opening for air to enter or leave the housing

the combination of said housing and said lamp cartridge package defining a closed air passageway through said housing and said envelop

said housing further including an air propulsion device for generating an air flow and propelling the air flow through said closed passageway.

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12. (New): The ultraviolet sterilization apparatus of claim 11, wherein the housing further comprises an articulated joint for removably connecting the lamp cartridge package to the housing.

13. (New): The ultraviolet sterilization apparatus of claim 11, wherein the lamp cartridge package further comprises two air-transmitting ultraviolet-stopping devices, wherein each of the two air-transmitting ultraviolet-stopping devices is adjacent to one of the two air inlet and outlet openings.

14. (New) The ultraviolet sterilization apparatus of claim 11, said at least one air-transmitting ultraviolet-stopping devices being selected from the group consisting of a dark filter, an activated charcoal filter and an optic labyrinth.

15. (New) The sterilization apparatus of claim 11, wherein the housing further comprises a power supply for powering the ultraviolet sterilization apparatus and control circuitry associated with at least one control and at least one display for controlling and monitoring the operation of said apparatus.

16. (New) The ultraviolet sterilization apparatus of claim 15, wherein the lamp cartridge package further comprises a plurality of electrical contacts, and wherein the housing further comprises an electrical conduit selected from the group consisting of a socket and electrical contacts, for connecting the lamp cartridge package to the power supply of the housing.

17. (New) The ultraviolet sterilization apparatus of claim 11, wherein the housing further comprises a magnetized strip secured to an inner surface of the housing, and wherein the lamp cartridge package further comprises a magnetized strip secured to an outer surface of the lamp cartridge package, said magnetized strips being adapted to assist in retaining said lamp cartridge package in said housing.

18. (New) The ultraviolet sterilization apparatus of claim 11, wherein the ultraviolet lamp is tube-shaped and is positioned diagonally inside the lamp cartridge package.

19. (New) The ultraviolet sterilization apparatus of claim 11, wherein said lamp package includes a flat panel adapted to carry an advertising message and said flat panel is visible when said lamp package is fitted within said housing.